

0006

*Incoming*  
c/015/0032  
*gf*

**From:** Jeffrey Studenka  
**To:** Birdsey, Paul; Dean, Dana; dharber@fs.fed.us; Grubaugh-Littig, Pam; ...  
**Date:** 1/25/2008 1:02 PM  
**Subject:** RE: Crandall mine water discharge analysis

Thanks Dave. It looks like this sample has exceeded the UPDES Permit limit for both TDS and Total Iron, as well as exceeding Water Quality Standards for Zinc and Nickel. Hopefully we will see a decreasing trend in these parameters over the coming weeks. When you have a moment, please provide any background concentrations for Zinc and Nickel from previous mine water samples (002 or in the mine itself) for comparison purposes. Thanks again.

**Jeff Studenka**  
Environmental Scientist  
Division of Water Quality  
288 North 1460 West  
PO Box 144870  
Salt Lake City, UT 84114-4870  
phone (801)-538-6779  
fax (801) 538-6016

>>> "Shaver, Dave" <dshaver@coalsource.com> 1/25/2008 11:31 AM >>>  
Sorry, I forgot to attach the attachment. I'll try again

**From:** Shaver, Dave  
**Sent:** Friday, January 25, 2008 11:11 AM  
**To:** 'Jeffrey Studenka'; 'James Kohler@blm.gov'; 'dharber@fs.fed.us'; 'Pam Grubaugh-Littig'; 'Karl Houskeeper'; 'Dana Dean'; 'steve rigby@blm.gov'; 'Paul Birdsey'; 'Karla Knoop'  
**Subject:** Crandall mine water discharge analysis

To all....Attached is the lab analysis of the Crandall Canyon Mine discharge water. The sample was taken on Monday, Jan. 21. All water is now being discharged through the pipe. There is no water running overland into the pond, the pond is no longer overflowing the primary spillway, and the water level in the pond has dropped about 2' from its previous high (overflow) level. We will take another sample on Monday, Jan. 28 from the pipe and should have the analysis results back to you by next Friday. We will also begin sampling the water retained in the sed pond soon, and if the analyses show the water quality to be within permit limits we will initiate plans for decanting the pond. Please let me know if there are other parameters you would like to see included in the analysis, since we dropped a couple of "non-detects" from the previous list to help ensure having the lab results out by the end of the week (today). Unless we hear otherwise we will continue with these parameters for next week's run. Also, is there anyone else who should be on the contact list? Thanks

Dave Shaver